

Message

---

**From:** Ryan, Jeff [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=C6088FC0757D4BBF825E9B39311E35BE-RYAN, JEFF]  
**Sent:** 11/27/2018 2:41:33 PM  
**To:** Gentile, Tom (DEC) [tom.gentile@dec.ny.gov]; Potter, Benjamin J (DEC) [benjamin.potter@dec.ny.gov]  
**Subject:** Approved QAPP and more testing thoughts  
**Attachments:** 0031868-QP-1-0 AEMD PFAS QAPP-NYSDEC Test Plan-FINAL.pdf

Here's the approved QAPP. It doesn't have all signatures, but that's just a timing thing. It has the most important one – the QA Manager's.

This is the version that will go forward, unless you have any major issues. Let me know if you do.

Otherwise, I'm focusing on implementation. Take a look at the schedule. Clearly, we need to sample as much as possible for the 1<sup>st</sup> ~32h to get to 700 F. Once the process gets to 700 F is where we have the greater uncertainty. I would assume the goal is to cover as much of the 36h hold as possible.

Which brings me to our sampling and travel schedule. As I indicated, we'd need to depart Friday at the latest. So working back, I think if we could start the actual test by noon Tuesday, that may give us what we need. So the process is at 200 F then and should reach 700 F by midnight Wednesday right? So we could sample say 8:00 AM Thursday, 8:00 PM and then again 8:00 AM Friday, or something like that. The question is how can we be ready by noon on Tuesday? Theran needs at least 12h to pump down his CIMS. Our plan would be to leave early Monday morning from NC and drive straight to St Gobain to unload and get the CIMS plugged in. It primarily needs to pump down and equilibrate. The other stuff shouldn't take too long to set up.

As I indicated yesterday, we hooked the CIMS up to our electric furnace and heated up some of the PTFE powder. It was a very crude test, but exciting. We saw several different compounds. The plan is to run a powder or 2 again tomorrow under more controlled conditions. Unfortunately, we won't be able to do more than 1 or 2. Boy, if we had more time, we could really do a mass balance study. I think we may attempt to do that anyway at some point. Hindsight being 20:20, it would have been great to do that before going to the field. I really think St Gobain could learn a lot from such work too.

Anyway, hopefully the QAPP will help lubricate the process.

Jeff

---

Jeff Ryan – Senior Scientist  
U.S. Environmental Protection Agency  
Office of Research and Development  
National Risk Management Research Laboratory  
Air and Energy Management Division  
Stationary Source Branch  
109 T.W. Alexander Drive  
Mail Drop E305-01  
Research Triangle Park, NC 27711  
(919) 541-1437 (919) 541-0554 FAX  
[ryan.jeff@epa.gov](mailto:ryan.jeff@epa.gov)

"And all this science, I don't understand."  
"It's just my job 5 days a week"

Elton John - Rocket Man

---